



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/522,602	03/10/2000	Akira Atsuta	P19202.P01	5787
7055	7590	08/25/2004	EXAMINER	
GREENBLUM & BERNSTEIN, P.L.C.			BAYARD, EMMANUEL	
1950 ROLAND CLARKE PLACE			ART UNIT	
RESTON, VA 20191			PAPER NUMBER	
			2631	

DATE MAILED: 08/25/2004

14

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/522,602

Applicant(s)

ATSUTA, AKIRA

Examiner

Emmanuel Bayard

Art Unit

2631

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 03 June 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 13-35 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 13-35 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

This is in response to amendment filed on 6/3/04 in which claims 13-35 are pending. The applicant's amendment have been fully considered therefore this is made final.

#### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 13-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Okamoto et al U.S. Patent No 5,805,678 in view of Yoshida et al U.S. Patent NO 6,463,132 B1 and in further view of Hamaki U.S. patent No 5,745,487.

As per Claims 13, 16, 21, 23, 26, 28, 31-32 and 35 Okamoto et al disclose receiving modem that is configured to perform transmission and reception of signals with a transmitting modem, the receiving modem comprising; a transmitter that is configured to transmit a facsimile control signal (see figs. 5, 55, 65 element 16 and col.9, lines 9-35 and col.15, lines 17-20); a detector that is configured to detect a response signal to the facsimile control signal transmitted from the transmitting modem (see fig.4 elements 11, 12 and col.8, lines 42-47 and col.15, line 9 and col.18, lines 2-11); a controller (see fig.4 element 9 and col.9, lines 1-3 and col.11, lines 5-20 and col.12, lines 10-20) that is configured to communicate with the transmitting modem based on

Art Unit: 2631

the communication procedure specified, when a CM signal is detected as the response signal, and to data communicate with the transmitting modem, when a signal used in data communication is detected as the response signal and being in accordance with a defined communication procedure.

However Okamoto et al does teach the transmitting modem based on the communication procedure specified in **ITU Recommendation V.8**.

Yoshida et al teaches transmitting modem based on the communication procedure specified in **ITU Recommendation V.8**. (See col.6, lines 27, 39).

It would have been obvious to one of ordinary skill in the art the implement the teaching of Yoshida et al into Okamoto as to select proper communication lines having the capability of a high sampling rate as taught by Yoshida (see col.6, lines 50-51).

However Okamoto and Yoshida in combination do not teach a data communication not including voice communication.

Hamaki teach a switching mode configured to communicate with a modem said data communication having non-voice communication (see col.8, lines 1-30, 54-63).

It would have been obvious to one of ordinary skill in the art to implement the teaching of Hamaki into the combination of Okamoto and Yoshida as to divide the data into fast channels of two time slots to be transmitted to the second channel via a transmission medium as taught by Hamaki (see Col.8, lines 20-24).

As per Claims 14, 15 the modem of Okamoto does include a DIS signal (see col.59, line 48), specified in ITU Recommendation T.30 (see col.60, line 54), and the controller (see fig.5 element 22) executes data communications with the transmitting modem based on the data

Art Unit: 2631

communication procedure specified in ITU Recommendation V.22, when a SI signal is detected as the response signal.

As per Claim 17, the modem of Okamoto in combination with Yoshida and Hamaki would include an AC signal specified in at least one of ITU Recommendation V.22 and V.23 as to accurately monitor the fax operation during the transmission.

As per Claims 19, 29 and 33, the apparatus of Okamoto does teach a DIS signal (see col.59, line 48) specified in ITU Recommendation T.30 (see col.60, line 54), and the controller (see fig.5 element 22) executes communications with the transmitting modem based on the data communication procedure specified in ITU Recommendation V.22, when a SI signal is detected as the response signal.

As per Claims 20, 30 and 34 the apparatus of Okamoto does include a DIS signal (see col.59, line 48) specified in ITU Recommendation T.30 (see col.60, line 54), and the controller (see fig.5 element 22) executes communications with the transmitting modem based on the data communication procedure specified in ITU Recommendation V.32 (see col.62, line 65), when an AA signal is detected as the response signal.

As per Claim 22 the apparatus of Okamoto in combination with Yoshida and Hamaki would include an AC signal specified in at least one of ITU Recommendation V.22 and V.23 as to accurately monitor the fax operation during the transmission.

As per Claim 24 the apparatus of Okamoto does include a DIS signal (see col.59, line 48), specified in ITU Recommendation T.30 (see col.60, line 54), and the controller (see fig.5 element 22) executes data communications with the transmitting modem based on the data

Art Unit: 2631

communication procedure specified in ITU Recommendation V.22, when a SI signal is detected as the response signal.

As per Claim 25, the modem of Okamoto does include a DIS signal (see col.59, line 48) specified in ITU Recommendation T.30 (see col.60, line 54), and the controller (see fig.5 element 22) executes communications with the transmitting modem based on the data communication procedure specified in ITU Recommendation V.32 (see col.62, line 65), when an AA signal is detected as the response signal.

As per Claim 27, the method of Okamoto in combination with Yoshida and Hamaki would include an AC signal specified in at least one of ITU Recommendation V.22 and V.23 as to accurately monitor the fax operation during the transmission.

### *Conclusion*

1. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Art Unit: 2631

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emmanuel Bayard whose telephone number is (703) 308-9573. The examiner can normally be reached on Monday-Thursday from 8:00 AM - 5:30 PM. The examiner can also be reached on alternate Fridays.

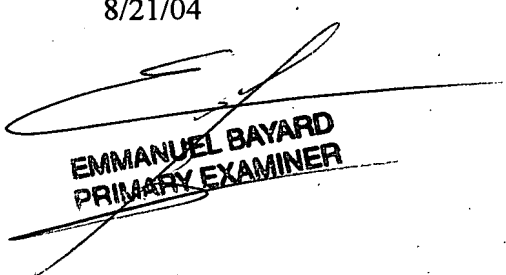
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad H. Ghayour, can be reached on (703) 306-3034. The fax phone number for this Group is (703) 872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3800.

Emmanuel Bayard

Primary Examiner

8/21/04



EMMANUEL BAYARD  
PRIMARY EXAMINER